

安规陶瓷电容器承认书

APPROVAL SPECIFICATIONS FOR SAFETY CERAMIC CAPACITOR (AEC-Q200 REV.)

客户 CUSTOMER	立创商城		
客户料号 CUSTOMER P/N	C3293133		
规格描述 DESCRIPTION	CY2472ME1IEE4BHZ	AE	
产品品号 PART NUMBER	Y2/472/M/F10/L24/Y	5U/300VAC/AEC-Q200	
日期 DATE	2022-07-08	文件编号 DOC. NO.	DEC-SA-WI010

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ALPROVED BY DERSONIC					APPROVED BY CUSTOMER		
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APPROVOL SPECIFICATIONS FOR SAFETY CERAMIC CAPACITOR

(AEC-Q200 REV.)

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2. APPLICATIONS

- IDEAL FOR USE AS Y CAPACITORS FOR AC LINE FILTERS AND PRIMARY-SECONDARY COUPLING ON BATTERY CHARGERS FOR PHEV/EV.
- IDEAL FOR USE AS A FILTER CAPACITOR FOR DC-DC CONVERTERS FOR PHEV/EV AND HEV.

. ເ	STANDARD CERTIFICATION										
	APPROVAL MARK	APPROVAL STANDARDS	RATED VOLTAGE	CERTIFICATE NUMBER							
	c FL us	UL 60384-14		E472525							
		DIN EN 60384-14(VDE 0565-1-1):2014-04 EN 60384-14:2013-08 IEC 60384-14(ed. 4)	AC500V AC400V AC300V	40045478							
	Cec	IEC 60384-14:2013	AC250V	CQC17001162592							

3. STANDARD CERTIFICATION





(TANO)		READ & I BEFURE IVIEASUREIVIENT
INSULATION RESISTANCE (IR)	>10000MΩ	The insulation resistance should be measured with a DC 500V at Normal Temperature and humidity and less than 1 min. Of charging (the test may be terminated in a shorter time, if the required value of insulation Resistance is reached).

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CO	NTINUED FROM	THE PRECE	DING PAGE					
NO.	ITEM		SPECIFICATIONS		TES	ITING N	Nethod	
		LEAD	No failure	The Capacitor should not be damaged when test voltages of following table are applied between the lead wires for 60 sec. (charge/discharge current \leq 50MA)				
		WIRES			TYPE TEST VOLT	AGE	Y2 AC2500V	
6	6 TEST VOLTAGE (TV) BODY INSULATION		NO FAILURE	FIRST, THE TERMINALS OF THE CAPACITOR SHOULD BE CONNECTED TOGETHER. THEN, AS SHOWN IN FIGURE AT RIGHT, A METAL FOIL SHOULD BE CLOSELY WRAPPED AROUND THE BODY OF THE CAPACITOR TO THE DISTANCE OF ABOUT 3 TO 4MM FROM EACH TERMINAL. THEN, THE CAPACITOR SHOULD BE INSERTED INTO A CONTAINER FILLED WITH METAL BALLS OF ABOUT 1MM DIAMETER. FINALLY, AC VOLTAGE OF FOLLOWING TABLE IS APPLIED FOR 60 SEC. BETWEEN THE CAPACITOR LEAD WIRES AND METAL BALLS.				
					TYPE TEST VOLT	ΔGE	Y2 AC2500V	
7	7 TEMPERATURE CHARACTERISTICS		Y5P: WITHIN ±10% Y5U: WITHIN +20/-55% (TEMP. RANGE: -25 TO +85°C)	THE CAPACITANCE MEASUREMENT SHOULD BE MADE AT EACH FOLLOWING TABLE. $\hline \begin{array}{c} \text{STEP} & \text{TEMPERATURE (°C)} \\ \hline 1 & +20\pm2 \\ \hline 2 & -25\pm2 \\ \hline 3 & +20\pm2 \\ \hline 4 & +85\pm2 \\ \hline 5 & -20\pm2 \\ \hline \end{array}$ PRE-TREATMENT: CAPACITOR SHOULD BE STORED AT 125±3°C FOR 1H, T		ACCOUNT BE MADE AT EACH STEP SPECIFIED IN PERATURE (°C) $+20\pm 2$ -25 ± 2 $+20\pm 2$ $+20\pm 2$ $+25\pm 2$ -20 ± 2 $+20\pm 2$ $+20\pm 2$ $+20\pm 2$ $+20\pm 2$ $+20\pm 2$ $+20\pm 2$ -20 ± 2 $\pm 3^{\circ}$ C FOR 1H, THEN PLACED AT ROON		
8	SOLDERAE	BILITY	LEAD WIRE SHOULD BE SOLDERED WITH UNIFORM COATING ON THE AXIAL DIRECTION OVER 3/4 OF THE CIRCUMFERENTIAL DIRECTION.	SHOULD BE PLACED INTO STEAM AGING FOR 8H ± 15MIN. AFTER THE STEAM AGIN THE LEAD WIRE OF A CAPACITOR SHOULD BE DIPPED INTO AN ETHANOL SOLUTION 25% ROSIN AND THEN INTO MOLTEN SOLDER FOR 5+0/-0.5S. THE DEPTH OF IMMERSION IS UP TO ABOUT 1.5 TO 2.0MM FROM THE ROOT OF LI WIRES. TEMP. OF SOLDER: LEAD FREE SOLDER (SN-3AG-0.5CU) 245±5°C H63 EUTECTIC SOLDER (PB37/SN63) 235±5°C				
		APPEARANCE	No Marked Defect	AS SHOWN IN THE FIGU SHOULD BE IMMERSED	RE, THE LEAD	WIRES		
q	RESISTANCE TO	∆ C/C	±10%	ROOT OF TERMINAL FOR PRE-TREATMENT:	RE STORED AT		screen	
5	Soldering heat	IR	>2000MΩ	125±3°C FOR 1H, TH ROOM CONDITION FO	FOR 1H, THEN PLACED AT NDITION FOR 24±2H BEFORE			
		TV	Per Item 6	POST-TREATMENT: CAPACITOR SHOULD BE STORED FOR 1 TO 2H AT ROOM CONDITION.				
		APPEARANCE	NO MARKED DEFECT	Solder the capacitor to the test jig resin board) by resin (Adh	r and gum ui (Adhesive)(g Iesive).	p the e Lass ei	POXY Resin (Adhesive)	
10	VIBRATION RESISTANCE	C _R	WITHIN THE SPECIFIED TOLERANCE	THE CAPACITOR SHOULD THE SUPPORTING LEAD MINUTES RATE OF VIBR,	d be firmly s Wire, 1.5MM Ation chang	olderi 1 in tot 6 fron	ed to Tal amplitude, with about a 20 1 10Hz to 2000Hz and back to 10Hz.	
		TANō	PER ITEM 4	PERPENDICULAR DIRECT	BE APPLIED 12 FIONS (TOTAL) G MAX.	of 36 1	'IN EACH OF 3 MUTUALLY 'IMES).	
		APPEARANCE	NO MARKED DEFECT	Solder the capacitor	R AND GUM U	P THE B י עם נחי		
11	MECHANICAL	C _R	WITHIN THE SPECIFIED TOLERANCE	(ADHESIVE). THREE SHOCKS IN EACH		HOULD		
	δΗυυκ	τανδ	<0.050	SPECIMEN (18 SHOCKS THE SPECIFIED TEST PUI	JALLT PERPEN 5). LSE SHOULD B	E HALF	-SINE AND SHOULD HAVE A DURATION:	
		TV	>10000MΩ	0.5MS, PEAK VALUE: 1	JUG AND VELC	ICITY CI	Hange: 4./m/s	

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60	NTINUED FRUP	VI THE PREL						
NO.	ITEN	Λ	SPECIFICATIONS	TESTING METHOD				
		APPEARANCE	No marked defect					
10		∆C/C	Y5P: ±10% Y5U: ±15%	SET THE CAPACITOR FOR 1000±12H AT 85±3°C IN 80 TO 85% RELATIVE HUMIDITY. PRE-TREATMENT:				
12	(UNDER STEADY	τανδ	< 0.050	CAPACITOR SHOULD BE STORED AT 125±3°C FOR 1H, THEN PLACED AT ROOM CON FOR 24±2H BEFORE INITIAL MEASUREMENTS.				
	STATE)	IR	>2000MQ	POST-TREATMENT:				
		TV	PER ITEM 6	CAPACITOR SHOULD BE STORED FOR 1 TO 2H AT ROUM CONDITION*.				
		APPEARANCE	No marked defect					
		∆C/C	Y5P: ±10% Y5U: ±20%	APPLY THE RATED VOLTAGE FOR 1000 ± 12H AT 85 ± 3°C IN 80 TO 85% RELATIVE HUMIDITY PRE-TREATMENT:				
13	13 HUMIDITY LOADING	τανδ	< 0.050	FOR 24±2H BEFORE INITIAL MEASUREMENTS.				
		IR	>2000MQ	POST-TREATMENT: CARACITOR SHOLLD BE STORED FOR 1 TO 2H AT ROOM CONDITION*				
		TV	PER ITEM 6					
		APPEARANCE	No marked defect	IMPULSE VOLTAGE EACH INDIVIDUAL CAPACITOR SHOULD BE SUBJECTED TO A 5KV IMPULSE FOR THREE TIMES. THEN THE CAPACITORS ARE APPLIED TO LIFE TEST.				
11	LIEE	∆C/C	±20%	APPLY A VOLTAGE FROM FOLLOWING TABLE FOR 1000H AT				
14	LIFE	IR	>3000MΩ	APPLIED VOLTAGE AC510V(R.M.S.) <50/60HZ>, EXCEPT THAT ONCE EACH HOUR THE VOLTAGE IS INCREASED TO AC1000V(R.M.S.) FOR 0.1S.				
		TV	Per item 6	PRE-TREATMENT: CAPACITOR SHOULD BE STORED AT 125±3°C FOR 1H, THEN PLACED AT ROOM CONDITION FOR 24±2H BEFORE INITIAL MEASUREMENTS. POST-TREATMENT: CAPACITOR SHOULD BE STORED FOR 1 TO 2 HRS. AT ROOM CONDITION.				
15	ROBUSTNESS 15 OF		LEAD WIRE SHOULD NOT BE CUT OFF. CAPACITOR SHOULD NOT BE BROKEN.	As shown in the figure at right, fix the body of the capacitor and apply a tensile weight gradually to each lead wire in the radial direction of the capacitor up to 10N and keep it for 10 ± 15 .				
	TERMINATIONS	BENDING		EACH LEAD WIRE SHOULD BE SUBJECTED TO 5N OF WEIGHT AND BENT 90° AT THE POINT O EGRESS, IN ONE DIRECTION, THEN RETUREND TO ITS ORIGINAL POSITION AND BENT 90° I THE OPPOSITE DIRECTION AT THE RATE OF ONE BEND IN 2 TO 3S.				
16	ACTIVE FLAMMABILITY		THE CHEESE-CLOTH SHOULD NOT BE ON FIRE.	THE CAPACITOR SHOULD BE INDIVIDUALLY WRAPPED IN AT LEAST ONE BUT NOT MORE THAI TWO COMPLETE LAYERS OF CHEESE-CLOTH. THE CAPACITOR SHOULD BE SUBJECTED TO 20 DISCHARGES. THE INTERVAL BETWEEN SUCCESSIVE DISCHARGES SHOULD BE 5 SEC. THE UAC SHOULD BE MAINTAINED FOR 2 MIN. AFTER THE LAST DISCHARGE.				
17	PASSIVE FLAN	PASSIVE FLAMMABILITY FASSIVE FLAMMABILITY		THE CAPACITOR UNDER TEST SHOULD BE HELD IN THE FLAME IN THE POSITION WHICH BES PROMOTES BURNING. EACH SPECIMEN SHOULD ONLY BE EXPOSED ONCE TO THE FLAM TIME OF EXPOSURE TO FLAME: 30 SEC. Test specimen LENGTH OF FLAME: 12±1MM GAS BURNER: LENGTH 35MM MIN. INSIDE DIA. 0.5±0.1MM OUTSIDE DIA. 0.5MM MAX.				

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NO.	ITEN	Λ	SPECIFICATIONS	TESTING METHOD					
				THE CAPACITOR SHOULD BE	SUBJECTED	TO 1000 TEMPER	ATURE CYCLES.		
		AFFLANANUL		STEP	1	2	3	4	
40	TEMPERATURE	∆C/C	Y5P: ±10% Y5U: ±20%	TEMPERATURE (°C)	-55 +0/-3	ROOM TEMP.	125 +3/-0	room Temp.	
18	AND IMMERSION	τανδ	< 0.050	TIME (MIN) PRE-TREATMENT:	30	3	30	3	
	GIGLE	IR	>3000MΩ	CAPACITOR SHOULD BE STORED AT 85±2°C FOR 1H., AND THEN PLACE CONDITION FOR 24±2 H.				ed at room	
		TV	Per Item 6	POST-TREATMENT: CAPACITOR SHOULD BE ST	TORED FOR 2	24 ± 2 H. at room	1 Condition.		
HIGH		∆C/C	±20%	Set the capacitor for 10 Pre-treatment:	00±12H AT	150±3°C.			
19	TEMPERATURE EXPOSURE	τανδ	<0.050	CAPACITOR SHOULD BE S FOR 24±2H.	Tored at 12	25±3°C FOR 1H, 1	Then placed A	T ROOM CONDITIO	
	(STORAGE)	IR	>1000MΩ	POST-TREATMENT: CAPACITOR SHOULD BE ST	TORED FOR 2	24±2H AT ROOM	Condition.		
		APPEARANCE	NO MARKED DEFECT EXCEPT COLOR	THE CAPACITOR SHOULD BE	SUBJECTED	TO 300 CYCLES.			
			CHANGE OF OUTER COATING.	STE		1	2		
20	THERMAL	∆C/C	Y5P: ±10% Y5U: ±20%	TEMPERATI TIME (N	URE (°C) MIN)	-55+0/-3 15.0±3.0	125+3/-1 15.0±3.0)	
	SHUCK	TANΔ	< 0.050	PRE-TREATMENT: CAPACITOR SHOULD BE STORED AT 85±2°C FOR 1H., AND THEN PLACED AT R					
		IR	>3000MΩ	POST-TREATMENT: CAPACITOR SHOULD BE STORED FOR 24±2 H. AT ROOM CONDITION.					
		APPEARANCE	No marked defect	PER MIL-STD-202 METHOD	215				
21	RESISTANCE TO	∆C/C	Y5P: ±10% Y5U: ±20%	SULVENI 1: 1 PARI LBY VULUME) OF ISOPROPYL ALCOHOL 3 PARTS (BY VOLUME) OF MINERAL SPIRITS SOLVENT 2: TERPENE DEFLUXER					
21	SOLVENTS	TANΔ	< 0.050	SOLVENT 3: 42 PARTS (BY VOLUME) OF WATER					
		IR	>3000MΩ	- 1 PART (BY VOL 1 PART (BY VOL	LUME) of Pr LIMF) of Mi	OPYLENE GLYCOL N NNOFTHANOLOMIN	nonomethyl i If	ether	
		APPEARANCE	No marked defect	APPLY THE RATED VOLTAGE AND DC1.3+0.2/-0V (ADD 6.8KΩ RESISTOR) AT 85±3°C					
22	BIASED	∆C/C	Y5P: ±10% Y5U: ±20%	80 TO 85% HUMIDITY FOR 1000±12H. PRE-TREATMENT: CARACITOR SHOULD BE STORED AT 125±2°C FOR 1H, THEN DIACED AT DOM					
	HUMIDITY	ΤΑΝΔ	< 0.050	FOR $24\pm 2H$.					
		IR	>3000MQ	- Post-treatment: Capacitor Should be St					
		APPEARANCE	NO MARKED DEFECT	APPLY 24H OF HEAT (25 TO 10 CONSECUTIVE TIMES. PRE-TREATMENT: CAPACITOR SHOULD BE ST FOR 24 ± 2H.	65°C) and Tored at 12	Humidity (80 to 9 25±3°C for 1H, t	98%) Treatme Hen placed a	int shown below I room condition	
22	Moisture	∆C/C	Y5P: ±10% Y5U: ±20%		TORED FOR 2 Humidity 90-98%	24±2H AT ROOM	CONDITION. y Humidity Hu 6 80-98% 90	midity -98%	
23	RESISTANCE	TANΔ	< 0.050	30 45 40 33 30 25 20 15 10 10	tial measurem	10ºC			
		IR	>3000MΩ	0 -5 -10	234567	One cycle 24 hours 7 8 9 101112131415	16171819202122	2324	

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8.] 8.1. 8.1.1.	 MEASURING AND APPLICATION NOTICE MEASUREMENT NOTICE PLEASE MEASURE UNDER THE FOLLOWING CONDITIONS. STANDARD ATMOSPHERIC CONDITIONS UNLESS OTHERWISE SPECIFIED, ALL TESTS AND MEASUREMENTS SHALL BE MADE UNDER STANDARD ATMOSPHERIC CONDITIONS FOR TESTING AS GIVEN IN 5.3 OF IEC 60068-1. 								
		Temperature, °C	RELATIVE H	iumidity, %	AIR PRESS	Sure, Kpa	_		
		15~35	25-	~75	86~	106	_		
8.1.2.	BEFORE THE MEASUREMENTS ARE MADE, THE CAPACITOR SHALL BE STORED AT THE MEASURING TEMPERATURE FOR A TIME SUFFICIENT TO ALLOW THE ENTIRE CAPACITOR TO REACH THIS TEMPERATURE. THE PERIOD AS PRESCRIBED FOR RECOVERY AT THE END OF A TEST IS NORMALLY SUFFICIENT FOR THIS PURPOSE. TEST AND MEASUREMENT SHALL BE MADE UNDER STANDARD ATMOSPHERIC CONDITIONS FOR TESTING, IN THE EVENT OF A DISPUTE, THE MEASUREMENTS SHALL BE REPEATED USING ONE OF THE REFEREE TEMPERATURES (AS GIVEN IN 8.1.3). WHEN TESTS ARE CONDUCTED IN A SEQUENCE, THE FINAL MEASUREMENTS OF ONE TEST MAY BE TAKEN AS THE INITIAL MEASUREMENTS FOR THE SUCCEEDING TEST. DURING MEASUREMENTS THE CAPACITOR SHALL NOT BE EXPOSED TO DRAUGHTS, DIRECT SUNLIGHT OR OTHER INFLUENCES LIKELY TO CAUSE ERROR. 1.2. RECOVERY CONDITIONS UNLESS OTHERWISE SPECIFIED RECOVERY SHALL TAKE PLACE UNDER THE STANDARD ATMOSPHERIC CONDITIONS FOR TESTING (8.1.1). IF RECOVERY UNDER CLOSELY CONTROLLED CONDITIONS IS NECESSARY, THE CONTROLLED RECOVERY CONDITIONS OF 5.4.1 OF IEC 60068-1 SHALL BE USED.								
8.1.3.	REFEREE CONDITIONS						_		
			RELATIVE F	50			—		
8.2.	For Referee Purposes Below, Shall be selec Operating voltage When DC-Rated Capac VO-P which contains Irregular voltage fo Includes these irregu	25±1 S, one of the standar Ited: DTORS are to be used II DC bias within the rat R a transit period bec JLAR Voltages.	48- D Atmospheric Condi N AC or Ripple Curren Ed Voltage Range. Wh CAUSE of Resonance C	~52 Tions for referee T circuits, be suri En the voltage is <i>i</i> Ir switching. Be s	86~ Tests taken from E to maintain the Ipplied to the circ Ure to use a cap	·106 1 5.2 of IEC 600 VP-P value of T Cuit, starting C Acitor with A I	J68-1, as given in Table 1 The Applied Voltage or the Ir stopping may generate Rated Voltage Range That		
	VOLTAGE	DC VOLTAGE	DC+AC VOLTAGE	AC VOLTAGE		PULSE VOLTAGE			
	Positional Measurement	V _{P-P}		Å.					
8.3.8.4.8.4.1.8.4.2.	 OPERATING TEMPERATURE AND SELF-GENERATED HEAT KEEP THE SURFACE TEMPERATURE OF A CAPACITOR BELOW THE UPPER LIMIT OF ITS RATED OPERATING TEMPERATURE RANGE. BE SURE TO TAKE INTO ACCOUNT THE HEAT GENERATED BY THE CAPACITOR ISELF. WHEN THE CAPACITOR IS USED IN A HIGH FREQUENCY CURRENT, PLUSE CURRENT OR SIMILAR CURRENT, IT MAY HAVE SELF-GENERATED HEAT DUE TO DIELECTRIC LOSS. APPUED VOLTAGE LOAD SHOULD BE SUCH THAT SELF-GENERATED HEAT IS WITHIN 20'UNDER THE CONDITION WHERE THE CAPACITOR IS SUBJECTED AT AN ATMOSPHERE TEMPERATURE OF 25 °C. WHEN MEASURING, USE A THERMOCOUPLE OF SMALL THERMAL CAPACITY-K OF Ø0.1MM UNDER CONDITIONS WHERE THE CAPACITOR IS NOT AFFECTED BY RADIANT HEAT FROM OTHER COMPONENTS OR WIND FROM SURROUNDINGS. EXCESSIVE HEAT MAY LEAD TO DETERIORATION OF THE CAPACITOR'S CHAPACTERISTICS AND RELIABILITY. (NEVER ATTEMPT TO PERFORM MEASUREMENT WITH THE CODUNG FAN RUNNING. OTHERWISE, ACCURATE MEASUREMENT CANNOT BE ENSURED.) TEST CONDITION FOR WITHSTANDING VOLTAGE TEST EQUIPMENT TEST EQUIPMENT TEST EQUIPMENT FOR AC WITHSTANDING VOLTAGE SHOULD BE USED WITH THE PERFORMANCE OF THE WAVE SIMILAR TO 50/60HZ SINE WAVE. IF THE DISTORTED SINE WAVE OR OVERLOAD EXCEEDING THE SPECIFIED VOLTAGE VALUE IS APPLIED, A DEFECT MAY BE CAUSED. VOLTAGE APPLIED METHOD WHEN THE WITHSTANDING VOLTAGE SHOULD BE USED ON THEAT ZERO TO THE CAPACITOR, TEST VOLTAGE WITHOUT THE RAISE FROM NEAR ZERO VOLTAGE FOOM NEAR ZERO TO THE CAPACITOR, TEST VOLTAGE SHOULD BE ARSED FROM NEAR ZERO TO THE CAPACITOR, TEST VOLTAGE WOULD BE TASED FROM NEAR ZERO AD THE TEST VOLTAGE CONS S. AT THE END OF THE THST ANDING VOLTAGE SHOULD BE RAPULED DIRECTLY TO CAPACITOR, TEST VOLTAGE WOULD BE TAKED FROM NEAR ZERO VOLTAGE MOULD BE APPLIED DIRECTLY TO CAPACITOR, TEST VOLTAGE SHOW NEAR ZERO VOLTAGE MOULD BE APPLIED DIRECTLY TO CAPACITOR, TEST VOLTAGE SINE WAVE PASSES OV. SEE FIGURE AT RIGHT. 								
8.5. 8.6.	HAIL-SAFE WHEN CAPACITOR WOU YOUR PRODUCT IF FAILU CAPACITANCE CHANGE C CAPACITORS HAVE AN A FOR A LONG TIME. MOF NOT LIKELY TO BE SUITAN PLEASE CONTACT US IF ¹	LD BE BROKEN, FAILURE N RE WOULD RESULT IN AN OF CAPACITORS GING CHARACTERISTIC, V REOVER, CAPACITANCE MI BLE FOR USE IN A CONSTA (OU NEED DETAILED INFOF	MAY RESULT IN A SHORT ELECTRIC SHOCK, FIRE O VHEREBY THE CAPACITOF GHT CHANGE GREATLY D INT TIME CIRCUIT. RMATION.	Circuit. Be sure to R fuming. R continually decf Epending on the s) provide an appr Reases its capacit. Surrounding temp	opriate fail-sa ance slightly i Perature or an	Fe function like a fuse on f the capacitor is left on I applied voltage. So, it is		

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8.7. PERFO BEFOR GENER CHARA BE SU CURRE MORE THE IN	RMANCE CHECK BY EQUIPMENT E USING A CAPACITOR, CHECK THAT THERE IS NO PROBLEM IN THE E IALLY SPEAKING, CLASS 2 (B/E/F CHAR.) CERAMIC CAPACITORS I ACTERISTICS IN CAPACITANCE. SO, THE CAPACITANCE VALUE MAY CH RE TO CONFIRM THE APPARATUS PERFORMANCE OF RECEIVING INF INT AND NOISE SUPPRESSION CHARACTERISTIC. OVER, CHECK THE SURGE-PROOF ABILITY OF A CAPACITOR IN THE EQ DUCTANCE OF THE CURCUIT	Quipment's Performance and the s Have voltage dependence charact Iange depending on the operating 'Luence in the capacitance value ch Jipment, if needed, because the suf	Pecifications. Eristics and Condition in T Hange of a Ca Ige Voltage MA	Temperature dependence He Equipment. Therefore, Pacitor, such as leakage Y exceed specific value by
8.8. OPERA THE IN ESPEC BEFOR PERFO STORE CAPAC	Ting and storage environment sulating coating of capacitors does not form a perfect sea ially where chloride gas, sulfide gas, acid, alkali, salt or th e cleaning, bonding, or molding this product, verify rmance of a cleaned, bonded or molded product in the inti the capacitors where the temperature and relative hui itors within 6 months after delivered.	AL; THEREFORE, DO NOT USE OR STORE IE LIKE ARE PRESENT. AND AVOID EXPOS THAT THESE PROCESSES DO NOT AF ENDED EQUIPMENT. MIDITY DO NOT EXCEED 5 TO 40 DEC	Capacitors in Sure to Moistl Fect Product Grees Centigr/	a corrosive atmosphere, jre. ' quality by testing the ade and 20 to 70%. Use
8.9. SOLDE 8.9.1. VIBRAI	Ring and Mounting fion and impact its subject a gampitod or its leads to subsequive subject or wide			
DO NO 8.9.2. SOLDE WHEN SUBJE THE CE WHEN PERFO TEMPE SOLDE SOLDE	IT EXPOSE A CAPACITOR OR ITS LEADS TO EXCESSIVE SHOCK OR VIBF RING SOLDERING THIS PRODUCT TO A PCB/PWB, DO NOT EXCEED TH CTING THIS PRODUCT TO EXCESSIVE HEATING COULD MELT THE INTE ERAMIC ELEMENT. SOLDERING CAPACITOR WITH A SOLDERING IRON, IT SHOULD E RMED IN THE FOLLOWING CONDITIONS. ERATURE OF IRON-TIP: 320 DEGREES C. MAX. RING IRON WATTAGE: 40W MAX. RING TIME: 3.0 SEC. MAX.	RATION DURING USE. IE SOLDER HEAT RESISTANCE SPECIFIC RNAL JUNCTION SOLDER AND MAY RES BE Temperature (°C) Preheating Temperature: Room temperat Time : 120 sec max	CATIONS (260°C BULT IN THERMA S Ture to 130°C	C, 5S) OF THE CAPACITOR. LI SHOCKS THAT CAN CRACK
8.9.3. Bondi Befor Perfo In Cas Acetat It May The <i>V</i> Crack	NG, RESIN MOLDING AND COATING E BONDING, MOLDING OR COATING THIS PRODUCT, VERIFY THAT RMANCE OF THE BONDED, MOLDED OR COATED PRODUCT IN THE IN SE THE AMOUNT OF APPLICATIONS, DRYNESS/HARDENING CONDITIC IE, METHYL ETHYL KETONE, TOLUENE, ETC.) ARE UNSUITABLE, THE OL Y RESULT, WORST CASE, IN A SHORT CIRCUIT. ARIATION IN THICKNESS OF ADHESIVE, MOLDING RESIN OR COA (ING OF A CAPACITOR IN A TEMPERATURE CYCLING.	Fig.: Wave-soldering tem THESE PROCESSES DO NOT AFFECT TH TENDED EQUIPMENT. INS OF ADHESIVES AND MOLDING RESI TER COATING RESIN OF A CAPACITOR IS TING MAY CAUSE OUTER COATING RES	perature-time pri He QUALITY OF NS CONTAINING DAMAGED BY 1 SIN CRACKING	ofile to recommend CAPACITOR BY TESTING THE CORGANIC SOLVENTS (ETHYL THE ORGANIC SOLVENTS AND AND/OR CERAMIC ELEMENT
CRACK 8.9.4. CLEAN TO PEF RINSE RINSIN DO NO EXCES	(Ing of a capacitor in a temperature cycling. Ing (ultrasonic cleaning) Rform ultrasonic cleaning, observe the following condition Bath capacity: Output of 20 watts per liter or less. Ig Time: 5 min. Maximum. It vibrate the pCB/pWB directly. Sive ultrasonic cleaning may lead to fatigue destruction of	NS. THE LEAD WIRES.		

